

**PROJECT:** Midnite Mine Remediation

**REPORT NO:** 2019-015

**OWNER:** Newmont/Dawn Mining

**OPERATOR:** Newmont/Dawn Mining

## Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period July 5 – July 11, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

## SITE HEALTH, SAFETY, AND SECURITY

### MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period July 5 – July 11, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period. Industrial Hygiene Q3 monitoring commenced.

## COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

## PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

### Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, July 10, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- Army Corps of Engineers (representing EPA)
- Spokane Tribe of Indians
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

### Meeting Action Items:

- None

### EPA Plan/Document Approvals:

- None

### Regulatory Site Visit(s):

- None

## REMEDIAL WORK ACTIVITIES

### Construction:

During the week of July 5 – July 11, 2019, the following activities were conducted:

- No remedial construction activities were performed on July 5, 2019.
- Continued excavating, hauling and placing low activity/low reactivity material from South Waste Rock Pile (SWRP) west of the South Pond in Pit 4. Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- A Cat D6 dozer was used to shape the South Pond on the SWRP to final grade. Minor amounts of additional excavated low activity/low reactivity material from South Pond final grading was hauled and placed in Pit 4. By the end of this week, the South Pond excavation was largely complete with the exception of the pipe trenches and leak detection sumps in the pond bottom.
- Excavated Low-Activity/Low-Reactivity mine waste down to the contact with native soil or bedrock in the East Tie-in area along the east edge of Pit 4 and hauled the mine waste to the Pit 4 Waste Containment Area backfill.
- Continued excavating, hauling and placing high activity/high reactivity material from Ore Stockpile 1 (Stockpile 1) in Pit 4. High activity/high reactivity material was placed in the unclassified waste zone in the interior of the Pit 4 backfill.
- Began excavating, hauling and placing high activity/high reactivity material from Ore Stockpile 2 (Stockpile 2) in Pit 4. High activity/high reactivity material was placed in the unclassified waste zone in the interior of the Pit 4 backfill.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

**Table 1 – 2019 Pit 4 mass haul volume estimates**

Reporting Period	Truck Loads	Estimated Volume <sup>1</sup> yd <sup>3</sup>
July 5 – July 11, 2019	2,565	71,820
2019 Cumulative	44,893	1,257,004

<sup>1</sup> - Truck load assumed to be 28 yd<sup>3</sup>

- Continued work on the Infiltration Collectors (IC) on the west side of Pit 4 on the main channel extension.
- Wm. Winkler completed processing stockpiled timber with their tub grinder in the Temporary Impacted Soil Stockpile (TISS). Upon completion of processing timber in the TISS, the tub grinder and other processing equipment was decontaminated, scanned for controlled release, and relocated to the south Construction Support Zone (CSZ) in preparation for grinding of timber that was located on the SW Topsoil Stockpile.
- Pit 4 tension crack was measured on July 2. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

### Stormwater Pollution Prevention Plan (SWPPP)

- None

### Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None

The following equipment was mobilized to the Site during this reporting period.

- None

- One Caterpillar 745 Haul Truck was demobilized from Site this week.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

The following material was delivered to the Site during this reporting period.

- None

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

The Bison Computer used to collect and record data for the on-Site dust monitoring system experienced a power outage on Wednesday (7/10/2019) from 12:00 to 5:00 p.m. As a result, the system was down and the data for that time-period was not be collected and recorded. To avoid this type of complication in the future, relocation of the data collection system, away from the on-Site construction activities, is currently under review.

The Site was shut down on 7/5/2019 for the 4<sup>th</sup> of July holiday.

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19				D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19				D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19				D/N	D/N	D/N	D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19				D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19				D/N	D/N	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19				D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								

D=Day Shift (6:00 am to 4:30 pm)  
 N=Night Shift (4:00 pm to 2:30 am)  
 E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation  
 \* Equipment malfunction (Battery/Power Supply or Other)

## PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

**Table 3 – CQA Documentation**

<b>Project Submittals</b>			
<b>Submittal No.</b>	<b>Title</b>	<b>Submittal Date</b>	<b>CQA Acceptance Date</b>
02272-07.01	South Pond Geomembrane (GSE) (clarifications and additional information requested on 6/24/2019)	6/11/2019 Resubmittal on 6/28/2019	7/2/2019 EPA – No Concerns 7/9/2019
02275-03.01	South Pond Geonet (GSE) (clarifications/revisions requested on 6/24/2019)	6/14/2019 Resubmittal on 6/28/2019	7/2/2019 EPA – No Concerns 7/9/2019
01018-35.00	Stockpile 8 East As-Built (additional information requested on 7/2/2019)	7/1/2019 Resubmittal on 7/9/2019	7/11/2019 Under EPA Review
01018-36.00	Stockpile 5 As-Built	7/1/2019	7/2/2019 Under EPA Review
01018-37.00	Stockpile 3-4 Partial As-Built	7/2/2019	7/4/2019 Under EPA Review
02272-08.00	South Pond Geomembrane (GSE) Production Certifications	7/2/2019	7/8/2019 EPA – No Concerns 7/9/2019
02275-04.00	South Pond Geonet (GSE) Production Certifications	6/28/2019	7/3/2019 EPA – No Concerns 7/9/2019
<b>Project ECNs</b>			
<b>ECN No.</b>	<b>Title</b>	<b>EPA Submittal Date</b>	<b>EPA Response Date</b>
None			
<b>Project RFIs</b>			
<b>RFI No.</b>	<b>Title</b>	<b>CQC Submittal Date</b>	<b>CQA Response Date</b>
2019-12	Cased Borings on Stockpile 2	7/4/2019	7/11/2019 Under EPA Review
<b>Project NCNs</b>			
<b>NCN No.</b>	<b>Title</b>	<b>CQA Issue Date</b>	<b>CQC Response Date</b>
None to Date			
<b>CQC-CQA Field Acceptance Forms</b>			
<b>CQC-CQA Acceptance No.</b>	<b>Title</b>	<b>CQC-CQA Issue Date</b>	
None			
<b>Item</b>	<b>Title</b>	<b>Comments</b>	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

## **SITE INSPECTIONS**

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

### **Preparatory Inspections / Meetings**

- None during this time-period.

### **Initial Phase Inspections**

- None during this time-period.

### **Follow-up Phase and Ongoing Inspections**

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
  - Excavated mine waste from the South Pond Cut, the South-SWRP and the Pit 4 East Overburden Pile (all low reactivity/low activity material) was used to construct the 20-foot buffer zone (rind) or was placed as general fill in the south bench area, the north portion of the pit and the West IC area.
  - Excavated mine waste from Stockpiles 1 and 2 (high reactivity/high activity material) was placed within the boundary of the 20-foot buffer zone in the north, middle and south bench area of the pit.
- West-Side Infiltration Collection System
  - Construction of a portion of the main collector (Section 7).  
CQA observed the following:
    - GCL placement
    - Drain gravel placement
- Wood Chipping Activities
  - Finished chipping trees at the TISS on 7/11/2019
  - Winkler moved their chipping equipment to the West Gate/New WTP area (south of the CSZ)

### **Completion Inspections**

- None

## **THREE WEEK LOOKAHEAD SCHEDULE**

### **Three Week Lookahead Schedule**

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee  
Project Construction Director

### **Attachments**

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.





**Figure 1 – Overview of Pit 4, Looking South**



**Figure 2 – South Pond Excavation – Looking Southeast**





**Figure 3 – Load-Out at the S-SWRP, Looking West**



**Figure 4 – Load-out at Stockpile 2, Looking Southeast**

**ATTACHMENT A**

**MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE**



Midnite Mine 2019 Production Schedule				Midnite Mine Remedial Action 3 Week Look Ahead Schedule				Data Date: 11-Jul-19 Print Date: 12-Jul-19			
Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work Resp.	July 2019				August 2019	
						07	14	21	28	04	11
Midnite Mine 2019 Production Schedule											
Project Operations											
WTP & South Pond Excavation to Pit 4											
South Pond											
SP3,4&SoPond-30	Excavate and Haul South Pond to Pit 4	92%	3	06-May-19 A	NMC	Excavate and Haul South Pond to Pit 4, Excavate and Haul South Pond to Pit 4					
SP3,4&SoPond-40	Finish Grade South Pond and Prep for Liner	0%	14	16-Jul-19	NMC	Finish Grade South Pond and Prep for Liner					
SP3,4&SoPond-45	Transport South Pond Liner materials to site	0%	5	16-Jul-19	NMC	Transport South Pond Liner materials to site					
Pit 4 Operations											
DR10	Install Pit 4 Underdrain Dewatering Risers (LOE)	69%	77	16-Apr-19 A	NMC						
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOE)	70%	77	16-Apr-19 A	NMC						
IC10	Install Pit 4 Infiltration Collectors (LOE)	45%	77	22-Apr-19 A	NMC						
Pit4Samp10	Pit 4 Sampling of Tie in location	0%	3	15-Jul-19	NMC	Pit 4 Sampling of Tie in location					
SWRP (South Waste Rock Pile) to Pit 4											
SWRP North											
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	23%	15	01-Apr-19 A	NMC	Excavate and Haul SWRP North to Pit 4 (Part 1), Excavate and Haul					
Timber Processing Areas											
CSZ - Timber Processing											
CSZTP-10	Chipping of Trees and Slash in CSZ	0%	10	11-Jul-19 A	NMC	Chipping of Trees and Slash in CSZ, Chipping of Trees and Slash in CSZ					
Other Material to Pit 4											
Stockpile 1 (clear area for drain gravel)											
SP1-10	Excavate and Haul Stockpile 1 to Pit 4 (drain gravel clearing)	95%	5	26-Jun-19 A	NMC	Excavate and Haul Stockpile 1 to Pit 4 (drain gravel clearing), Excavate and Haul Stockpile 1 to Pit 4 (drain gravel clearing)					
Stockpile 2 (clear area for drain gravel)											
SP2-10	Excavate and Haul Stockpile 2 to Pit 4 (drain gravel clearing)	0%	12	09-Jul-19 A	NMC	Excavate and Haul Stockpile 2 to Pit 4 (drain gravel clearing), Excavate and Haul Stockpile					
Other Material											
CSZTS-05	Sampling of South-South West Area of CSZ (FSS)	0%	3	15-Jul-19	NMC	Sampling of South-South West Area of CSZ (FSS)					
General Tasks											
G10	Fence Inspection June 2019	100%	0	24-Jun-19 A	NMC	Inspection June 2019					